



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE R	PAGE OF PAGES 1 25
2. AMENDMENT/MODIFICATION NO. P00062	3. EFFECTIVE DATE 12 June 2017	4. REQUISITION/PURCHASE REQ. NO. N0060408ROSOS		5. PROJECT NO. (If applicable)
6. ISSUED BY CODE NAVSUP FLC PEARL HARBOR 1842 GAFFNEY ST STE 100 ATTN: JUDITH MOORE PEARL HARBOR HI 96360-4549	NO0604	7. ADMINISTERED BY (If other than item 6) CODE See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) MANU KAI, LLC 1600 KAPOLANI BLVD STE 530 HONOLULU HI 96814-3805		9A. AMENDMENT OF SOLICITATION NO.		
		9B. DATED (SEE ITEM 11)		
		X 10A. MOD. OF CONTRACT/ORDER NO. N00604-09-D-0001		
		X 10B. DATED (SEE ITEM 13) 07-Oct-2008		
CODE 4T6D9	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a)				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: npzdkn011714259 CTO Services: OPTION PERIOD 8 / FY 2017, ROS & BOS SERVICES, PMRF BARKING SANDS, KEKAHA, HI 1. The purpose of this modification is to revise the Annex 13 Performance Work Statement (PWS) Sections C and J (see attached). Section F is also incorporated to retain a complete Annex 13 package. Also, this modification revises Schedule B Contract Line Item Numbers 0802 and 0902 and associated Award Fee Pool amounts for Annex 13 changes. The revised Extended Line Item Number (ELIN) Schedule is also attached. See Summary of Changes. 2. All other terms and conditions remain unchanged.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Judith L. Moore TEL: 808-335-4731 EMAIL: judith.moore1@navy.mil		
15C. DATE SIGNED (Signature of person authorized to sign)		16C. DATE SIGNED (Signature of Contracting Officer)		

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243



N00604-09-D-000100062

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

<u>P00062</u> ATTACHMENT NO.	TITLE	PAGES
JC-1	Performance Work Statement (PWS) – Annexes 1-33	

Revised Annex 13, Airfield Facilities

Revised Section C, Performance Work Statement dated 31 January 2017	17
Revised Section F, Deliveries or Performance dated 31 January 2017	1
Revised Section J, List of Documents, Exhibits, and Other Attachments dated 31 January 2017	7

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by [REDACTED] from [REDACTED] (EST) to [REDACTED] (EST).

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0802

The estimated/max cost has increased by [REDACTED] from [REDACTED] to [REDACTED].
The award fee has increased by [REDACTED] from [REDACTED] to [REDACTED].
The total cost of this line item has increased by [REDACTED] from [REDACTED] to [REDACTED].

CLIN 0902

The estimated/max cost has increased by [REDACTED] from [REDACTED] to [REDACTED].
The award fee has increased by [REDACTED] from [REDACTED] to [REDACTED].
The total cost of this line item has increased by [REDACTED] from [REDACTED] to [REDACTED].

The following have been added by full text:

P00062 ELIN SCHEDULE



N00604-09-D-000100062

OPTION PERIOD 8 / OCTOBER 1, 2016 - SEPTEMBER 30, 2017
(FY2009 BASELINE)

				P00054 & P00062	Conformed
ELIN	Annex	Description	Amount		Amount
J017	13	Airfield Facilities - 0501050			
J018	15	Range Communication Systems - 1500000			
J019	16	Data Systems - 1600000			
J020	18	Facilities and Systems Engineering - 3400000			
J021	20	Aircraft Refueling and Fuel Management - 0501030			
J022	22	Launch Ordnance Systems - 2300000			
J023	23	Measurement Systems - 2400000			
J024	25	Range Operations - 2500000			
J025	27	Technical Directive Work Requests - 2700000			
J026	28	Supply and Logistics Support - 3000000			
J027	29	Optics - 2900000			
J028	30	Electronic Systems - 3200000a			
J029	31	Marine Systems - 3100000b			
J030	32	Aerial Target Systems - 3200000c			
CLIN 0802		MAX COST			
		MAX AWARD FEE			
		TOTAL MAX COST + FEE			

Note: The Annex 31 decrease listed above was already captured in Contract Modification P00054 and is reflected in the current CLIN 0802 value; however, an Extended Line Item Number (ELIN) Schedule was not included in P00054. Therefore, the table above reflects the changes that last occurred from Contract Modification P00046's ELIN schedule, which includes P00054 and P00062 changes. The CLIN value for 0802 under Contract Modification P00062 only captures the Annex 13 changes.



N00604-09-D-000100062

OPTION PERIOD 9 / OCTOBER 1, 2017 - JUNE 30, 2018
(FY2009 BASELINE)

				P00054 & P00062	Conformed
ELIN	Annex	Description	Amount		Amount
K017	13	Airfield Facilities - 0501050			
K018	15	Range Communication Systems - 1500000			
K019	16	Data Systems - 1600000			
K020	18	Facilities and Systems Engineering - 3400000			
K021	20	Aircraft Refueling and Fuel Management - 0501030			
K022	22	Launch Ordnance Systems - 2300000			
K023	23	Measurement Systems - 2400000			
K024	25	Range Operations - 2500000			
K025	27	Technical Directive Work Requests - 2700000			
K026	28	Supply and Logistics Support - 3000000			
K027	29	Optics - 2900000			
K028	30	Electronic Systems - 3200000a			
K029	31	Marine Systems - 3100000b			
K030	32	Aerial Target Systems - 3200000c			
CLIN 0902		MAX COST			
		MAX AWARD FEE			
		TOTAL MAX COST + FEE			

Note: The Annex 31 decrease listed above was already captured in Contract Modification P00054 and is reflected in the current CLIN 0902 value; however, an Extended Line Item Number (ELIN) Schedule was not included in P00054. Therefore, the table above reflects the changes that last occurred from Contract Modification P00046's ELIN schedule, which includes P00054 and P00062 changes. The CLIN value for 0802 under Contract Modification P00062 only captures the Annex 13 changes.

SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been added by full text:

P00062 ANNEX 13 SECTION C

0501050 – Airfield Facilities		
Spec Item	Title	Description
1	General Information	The Contractor shall provide all labor, management, supervision, tools, material, and equipment required to perform services in support of airfield facilities at PMRF.
1.1	PMRF Airfield	For purposes of defining ATC services, the Control Tower is a Class II facility as defined by NAVAIR 00-80T-114 and OPNAVINST 3722.35. Airspace rules/procedures shall be those prescribed for Class D airspace as defined by FAAO JO 7400.2, FAAO JO 7400.8, FAAO JO 7400.9, FAAO JO 7110.65, and OPNAVINST 3770.2. PMRF's runway is a Navy Class B runway as defined in UFC 3-260-01 and UFC 2-000-5N. Airfield facilities operation and management are in accordance with FAA AC 150/5200-18, NAVAIR 00-80R-14, NAVAIR 00-80T-96, NAVAIR 00-80T-124, OPNAVINST 3710.7, PMRF INST 3710.8, and PMRFINST 3710.11. All associated reports, procedures, and policies shall be in accordance with these classifications and publications.

0501050 – Airfield Facilities		
Spec Item	Title	Description
2	Management and Administration	
2.1	Definitions and Acronyms	
2.1.1	AFM	Airfield Manager
2.1.2	ASO	Aviation Safety Officer
2.1.3	ASOS	Automated Surface Observing System
2.1.4	ATC	Air Traffic Control. Also referred to as “Tower” or “Control Tower.”
2.1.5	BASH	Bird Air Strike Hazard
2.1.6	Class D Airspace	See FAR/AIM for control requirement in Section F
2.1.7	FAA	Federal Aviation Administration
2.1.8	FOD	Foreign Object Debris
2.1.9	MRC	Maintenance Requirement Cards
2.1.10	NATOPS	Naval Air Training and Operating Procedures Standardization Program
2.1.11	NAVAIR	Naval Air Systems Command
2.1.12	NOTAM	Notice To Airmen
2.1.13	ODO	Operations Duty Officer
2.1.14	PAPI	Precision Approach Path Indicator
2.1.15	PPR	Prior Permission Required
2.1.16	SAWL	Solar Aviation Wireless Lights
2.2	Cost Account Code (CAC) Reporting	All cost associated with this Annex shall be charged to the CAC designated for this function.
2.3	Personnel	The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operation, maintenance and repair in support of airfield facilities services.
2.3.1	Certification and Training	Specific certification and training requirements are addressed as follows and in Spec Item 3.
2.3.1.1	Airfield Vehicle Operators Instruction Course (AVOIC) Training	Contractor personnel responsible for operation of vehicles on the airfield must complete AVOIC training annually and receive a license to operate vehicles on the airfield. AVOIC training and licensing is provided by the Government and must be scheduled with the AFM. Records of completed AVOIC training and licensing shall be maintained by the Contractor and made available for review by the KO upon request.
2.4	Airfield Safety	The Contractor shall comply with all safety regulations per OPNAVINST 5100.23, Shore Safety Manual and OPNAVINST 3750.6, Naval Aviation Safety Management System. All personnel working on airfield facilities shall use required Personal Protective Equipment (PPE).
2.5	Priority of Service	The Contractor shall follow, in descending order, the priorities shown below for servicing aircraft when multiple simultaneous requests are received that exceed the Contractor’s peak capacity. The Government will direct modifications to these priorities as situations may require. -Search and Rescue (SAR) aircraft -Medical Evacuation (MEDEVAC) aircraft -DoD and U.S. Government aircraft -Commercial aircraft under DOD control -Allied government aircraft -Civilian aircraft
2.6	Communications	The Contractor shall operate and maintain a communications system using radio frequencies assigned by the Ground Electronics Maintenance Officer and Frequency Manager. The Contractor shall establish radio contact with ATC to receive runway and taxiway access and shall maintain contact with ATC at all times while on airfield surfaces. Due to safety considerations and regulations, it is mandatory that Contractor personnel be able to speak English fluently and enunciate clearly.
2.7	Records and Reports	Records and reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents within the required timeframes.
2.8	Personnel Qualifications	
2.8.1	Control Tower Controllers	All Control Tower controllers shall possess a Class II Medical clearance and shall be validated annually, and certified in accordance with Federal Aviation Regulations (FAR) Part 65. Control Tower shall be manned by

0501050 – Airfield Facilities		
Spec Item	Title	Description
		a qualified controller at all times.
2.8.2	Airfield Electronics and TACAN	The Contractor shall provide qualified technicians to perform inspections and maintenance of the TACAN System, the Control Tower Communications Systems, and associated ATC and weather monitoring equipment and systems. Technicians shall have documented evidence of formal training for each type of ATC system they are qualified to inspect and maintain. Formal training is considered a military course of instruction, FAA Academy course, International Society of Certified Electronics Technicians (ISCET) course, factory training or approved computer-based instruction. The Ground Electronics Maintenance Officer (GEMO) is the qualification approval authority and shall designate ATC systems maintenance technicians in writing. Where there are five or more years of documented experience on repairing and maintaining ATC systems, the formal training requirement may be waived by the GEMO after extensive knowledge demonstration in accordance with OPNAVINST 3721.5L. Technicians shall receive a qualification review at least once every four years, as deemed necessary by the GEMO, and during annual ATC NATOPS inspections.

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3	Airfield Facilities	The Contractor shall provide airfield facilities services to ensure aircraft are supported in a proper, safe, and timely manner.	<p>The Contractor shall comply with applicable FAA, FCC, DoD, DoN, NAVAIR, and other references, instructions, and directives listed in J-0501050-01.</p> <p>Operations and services include:</p> <ul style="list-style-type: none"> • Airfield Control Tower • Runway E-28 Arresting Gear • Precision Approach Path Indicator (PAPI) • Airfield Electronics and TACAN system. <p>CDRL A13-03 - Airfield Operations Report. See Attachment J for inventory of systems/equipment covered under this Annex.</p> <p>Safety programs are properly executed to mitigate hazards.</p>	<p>Aircraft arrivals, servicing, and departures are properly supported within the specified time as indicated by published airfield hours and RSS activity.</p> <p>Airfield facilities services are provided without personnel and aircraft accidents or malfunctions due to Contractor negligence.</p> <p>Military Airfield equipment are maintained and repaired to sustain a fully functional and operable condition as specified in applicable FAA, DoD, DoN, NAVAIR regulations and standards</p>
3.0.1	Formal Navy Inspections	The contractor shall correct discrepancies identified in Formal Navy Inspections that apply to contractor performance	<p>Annual CNIC N32 Shore Installation Airfield Operations Evaluation Reports</p> <p>Annual Naval Safety Center Airfield Facilities Survey Reports</p> <p>Annual CNAF ATC NATOPS Evaluation Reports.</p> <p>This Specification Item applies to all specification Items in this Annex.</p>	<p>Correction of Discrepancies:</p> <p>Thresholds:</p> <p>Minor: Within 12 months</p> <p>Major: Within 6 months</p>
3.0.2	POAM Monthly Updates	Provide monthly updates until discrepancies are resolved to the AFM, GEMO, and Air Ops Officer to be included in the PMRF POAM submissions per CDRLs A13-05 ATC NATOPS Corrective Actions Report; A13-06 Shore Installation Airfield Operations Evaluation Corrective Actions Report; and A13-07 Naval Safety Center Corrective Actions Reports	<p>Updates are required from PMRF Commanding Officer to CNIC, CNAF, and the Naval Safety Center.</p> <p>This Specification Item applies to all specification Items in this Annex.</p> <p>POAM format is in accordance with each report's instructions.</p>	Provide monthly, quarterly or as required by the Air Operations Officer or Airfield Manager to meet PMRF Commanding Officer POAM reporting requirements.
3.0.3	Notices to Airmen	Contractor shall report discrepancies/outages of airfield facilities/equipment to Air Operations within 15 minutes.	NOTAMs IAW OPNAVINST 3721.20 (Department of Defense Notice To Airmen (NOTAM) System). NOTAMs are unclassified notices or advisories that contain information concerning the establishment, conditions or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel and systems concerned with flight operations.	100% of the time

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			This Specification Item applies to all specification Items in this Annex.	
3.0.4	Test Equipment	Maintain all Government-furnished and Contractor-provided test equipment to include organizational, intermediate, and depot-level repair.	<p>The Contractor shall calibrate all test equipment and monitor test equipment calibration requirements ensuring compliance with Navy calibration program requirements and calibration by approved calibration facilities traceable to the National Bureau of Standards. The calibration cycle shall be IAW Navy standards on any test equipment used to perform corrective/preventive maintenance on NAALS equipment/systems. The calibration cycle requirements may be found on the Navy ATC web site at https://atc.navy.mil. The Contractor shall ensure valid calibration certification labels are prominently displayed. Electronics equipment not bearing a current approved calibration label, or having a calibration label marked “special calibration” shall not be used without the specific written authorization of the GEMO. Electronics equipment shall be tagged as unserviceable until permission for use of that specific equipment is received from the GEMO or calibration requirements have been met. The Contractor shall provide adequate protection of test equipment during transportation to and from job sites, calibration facilities and repair sites to ensure there is no damage or loss of calibration to the equipment.</p> <p>This Specification Item applies to all specification Items in this Annex.</p>	Minimum of 97% of equipment certified as scheduled. Remaining 3% certified by the end of the following month.
3.1	ATC Services	The Contractor shall provide ATC services for Class D airspace in accordance with applicable references listed in Section F.	<p>The airfield operating hours are from 0700 to 1800 on normal working days (M-F excluding Federal Holidays). Ground Electronics support is required anytime the airfield is open and Duty Technician(s), assigned Air Traffic Control maintenance responsibilities, shall be present anytime the facility is open and available to provide ATC services. Arresting gear/PAPI Maintenance will support the normal airfield operating hours unless otherwise coordinated due to administrative, safety or technical type training and special operational requirements.</p> <p>The tower and Ground Electronics are manned from 0630 to 1800 on normal working days or 30 minutes prior to opening the airfield until the airfield closes. Periodically in support of Range Operations the airfield, tower, and Ground Electronics manning requirements will expand into extra workday and weekend hours.</p>	<p>Ensure all arrested landings are within the parameters of Aircraft Recovery Bulletin (ARB) No. 46-12 for E-28 arresting gear.</p> <p>Fuels dispatch notified upon confirmation of fueling service requirements within five minutes of aircraft arrival.</p> <p>Base Operations notified upon confirmation of wash rack service requirements within five minutes of aircraft arrival.</p> <p>Base Operations notified of hazardous conditions within 2 minutes of identification.</p> <p>Tower shall notify the Airfield</p>

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Every other year RIMPAC exercise requires approx 3 weekends of 0630 to 1800 operations.</p> <p>Approx 5 times per year Ops are extended 6 hrs per day for 3 days each in support of Range Operations. Approximately 2 of those times Ops include one weekend day consisting of 6 hours of airfield support.</p> <p>The Contractor shall immediately notify fuels dispatch of pilots' request for fuel services.</p> <p>The Contractor shall immediately notify base operations of pilots' request for aircraft parking and wash rack requirements.</p> <p>The Contractor shall immediately notify base operations of any hazardous conditions at the airfield (e.g., FOD, BASH, weather, etc.)</p> <p>Use of the airfield is on a Prior Permission Required (PPR) basis, approved by the Commanding Officer, PMRF, obtained through the Air Operations Officer. With approval from the Commanding Officer, aircraft on SAR and/or MEDEVAC missions are authorized to land or take off at the discretion of the aircraft commander with the tower unmanned. This applies to PMRF aircraft as well, regardless of the mission. Tower personnel shall not allow civilian aircraft without a current Civil Aircraft Landing Permit (32 CFR Part 766) to land or conduct approaches to the runway.</p>	Manager and/or Air Ops Officer immediately of any unauthorized aircraft landings
3.2	Aviation Safety Programs	The Contractor shall execute the requirements of aviation safety programs to ensure appropriate actions are taken to minimize hazards to aircraft.		<p>Bird hazards are mitigated 100% of the time.</p> <p>FOD hazards are mitigated.</p>
3.2.1	Bird Air Strike Hazard (BASH)	The Contractor shall execute the requirements of the BASH program to ensure appropriate actions are taken to minimize hazards to aircraft.	<p>The Contractor shall perform actions as specified in the installation's BASH program instruction provided in J-0501050-03.</p> <p>The Contractor shall continuously monitor, and report bird hazards or conditions that may attract birds to the Airfield Manager and/or Air Operations Officer.</p> <p>The Contractor is not authorized to conduct depredation of birds as a measure of eliminating hazards.</p> <p>The Contractor shall be familiar with BASH</p>	<p>Mitigate bird hazards IAW PMRF BASH instruction 100% of the time.</p> <p>Contractor notifies the bird dispersal team within 3 minutes of discovery of hazardous bird/wildlife conditions.</p>

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>program guidance provided in NAVFAC P-73, Real Estate Procedural Manual, OPNAVINST 5090.1, Environmental and Natural Resource Program Manual, OPNAVINST 3750.6, FAA AC/150 Circulars, CNIC Bash Manual, and PMRF Instruction 5090.7.</p> <p>The Contractor shall notify the Airfield Manager or Air Operations Officer of bird and animal activity around the airfield, including the finding of any remains of birds and animals. Contractor shall activate the bird dispersal team anytime birds/wildlife are observed or reported on, above or near the runway and approach zones and anytime the bird condition is elevated to moderate (yellow) or severe (red).</p>	
3.2.2	Foreign Object Debris (FOD)	The Contractor shall execute the requirements of the FOD program to ensure appropriate actions are taken to minimize hazards to aircraft.	<p>The Contractor shall perform FOD prevention on all airfield areas including runways, ramps, taxiways, taxi lanes, and aircraft parking areas.</p> <p>The Contractor shall be responsible for FOD hazard identification in the course of performing Airfield services and all-hands participation in the monthly FOD walk-down.</p> <p>The Contractor shall be familiar with FOD program guidance provided in OPNAVINST 3750.6, OPNAVINST 4790.2, CNALINST 13720.15 / CNAPINST 13720.3, Prevention of Foreign Object Damage to Aircraft Gas Turbine Engines, FAA AC/150 Circulars, and local instructions.</p> <p>Additional FOD inspection and removal shall be conducted whenever the Contractor recognizes the need</p> <p>The Contractor is required to participate in the installation's monthly FOD walk-down alongside military personnel. The Contractor shall mobilize all on-duty airfield facilities personnel to conduct large area FOD walk-downs to eliminate FOD material. The Contractor shall perform the large area walk-downs in any area of the base where FOD accumulates, with top priority placed on airfield and adjacent surfaces, as directed by the AFM.</p>	<p>FOD hazard notification is provided to ATC within 2 minutes of identification.</p> <p>Large area FOD walk-downs completed 100% of the time as scheduled.</p>
3.3	Airfield Equipment Operation and Maintenance	The Contractor shall inspect, operate, maintain, and repair airfield equipment to ensure equipment is fully functional and operational to support the air operations mission.	The Contractor shall develop and submit a maintenance plan (CDRL A13-01) to the Airfield Manager and GEMO to validate completeness. The Contractor's maintenance plan shall include provisions for operation and maintenance of arresting gear and PAPI, inspection of airfield lighting systems (runway edge lights, threshold	The Contractor's maintenance plan (CDRL A13-01) is submitted within 30 days following award then submitted no later than October 5th for each option year thereafter and shall be consistent with

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>lights, PAPI, TACAN check sign, runway distance markers, solar powered taxiway lights, rotating beacon, wind cones, obstruction lights, and arresting gear markers), and preventive maintenance (PM) of Airfield Electronics, TACAN system, and the Automated Surface Observing System (ASOS). The maintenance plan shall be developed based on OPNAVINST 4790.4, Ships' Maintenance and Material Management (3-M) System Policy, current Navy Maintenance Requirement Cards (MRC) for respective systems, NAVSEAINST 4790.8, Ship's Maintenance and Material Management (3-M) Manual, NAVAIR 00-80T-124, National Weather Service ASOS Site Technical Manual S100, and additional guidelines established by the Space and Naval Warfare Systems Center (SPAWAR). The plan shall include maintenance and inspection tasks, schedules for planned work accomplishment, plan for minimizing occurrence of repair and downtime, plan for corrosion control to prolong the life of the equipment, and the process for the identification of the need for repairs. Lock Out/Tag Out program shall be in accordance with NAVAIR 00-80T-124.</p> <p>PM and repair parts are ordered by the Contractor through the Navy supply system and paid for by the Government. The Contractor shall obtain authorization from the AFM or Air Ops Officer prior to ordering repair parts or replacement of on-board spares.</p> <p>Excessive or repeated system or equipment breakdowns or deficiencies may indicate the need to adjust or modify the Contractor's maintenance plan. These changes will be made at no additional cost to the Government.</p> <p>The Contractor shall submit a monthly maintenance schedule and unaccomplished maintenance report.</p> <p>CDRLs A13-01 - Maintenance Plan and A13-02 - Monthly maintenance schedule and unaccomplished maintenance report.</p>	<p>OPNAVINST 4790.4 policy and current Navy MRC requirements for respective systems.</p> <p>CDRL A13-02 is submitted by the 5th calendar day of each month and shall detail the maintenance schedule for the current month and the unaccomplished maintenance for the previous month. Unaccomplished maintenance report shall include the reason not completed and plan of action to reschedule and accomplish the maintenance within NAVSEA PMS requirements.</p> <p>PM is accomplished per the MRCs and 3-M program and completed per the Contractor's work schedule.</p> <p>Any system failures that immediately impact flight operations or cannot be corrected within a 24 hr period shall be reported to the Airfield Manager, GEMO, and Air Operations Officer.</p>
3.3.1	Arresting Gear Operations and Maintenance	The Contractor shall perform operations and maintenance to ensure arresting gear are fully functional and operational and available for emergency landings.	<p>The arresting gear inventory, including date of certification, is provided in J-0501050-04.</p> <p>Arresting gear maintenance shall comply with OPNAVINST 4790.4, OPNAVINST 4790.2, NAVAIR 51-5-31, E28 Emergency Runway</p>	PM is accomplished per the MRCs and 3-M program and completed per the Contractor's work schedule.

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
			<p>Arresting Gear Technical Manual, NAVAIR 13800.13, Certification of Shore-Based Aircraft Recovery Equipment and Visual/Optical Landing Aids Systems, and NAEC-91-7824, E-28 Arresting Gear. The Contractor's maintenance plan shall incorporate requirements specified in NAVAIR 51-5-31 and applicable Maintenance Requirement Cards (MRCs).</p> <p>PM and repair parts are ordered by the Contractor through the Navy supply system and paid for by the Government. The Contractor shall obtain authorization from the AFM prior to ordering repair parts or replacement of on-board spares.</p> <p>When approved by the Airfield Manager or Air Ops Officer and scheduled in RSS, the contractor shall provide staffing to operate the E-28 arresting gear to support operations to include the annual NAVAIR certification inspection. Operation of arresting gear shall be conducted per NAVAIR 51-5-31.</p> <p>The Contractor shall maintain records on all arresting gear by serial number per NAVAIR 51-5-31.</p> <p>The Contractor shall prepare all required reports per NAVAIR 51-5-31 and OPNAVINST 4790.4 and submit to the AFM.</p> <p>The Contractor shall coordinate and support annual formal certification conducted by Naval Air Warfare Center (Aircraft Division) Lakehurst, NJ per NAEC-91-7824.</p>	<p>Notification of the need for repair work identified during maintenance or operation is reported to the Government within one hour of identification.</p> <p>Arresting gear is properly staffed within specified response times for operation during emergency landings.</p> <p>Reports are submitted as specified in Section F.</p> <p>Contractor shall respond to rig and derig the E-28 arresting gear as often as required to support all aircraft operations. Frequency is dependent upon aircraft type and operational characteristics. When notification of an emergency landing is received from ATC or the ODO, the Contractor shall respond within 5 minutes with a minimum of four personnel per NAVEDTRA 43542, E-28 Arresting Gear and Associated VLA Systems to rig the arresting gear. Arresting gear shall be rigged and fully operational within 15 minutes of notification.</p>
3.3.1.1	E-28 Aircraft Arresting Gear Operations	The Contractor shall inspect, rig, operate and de-rig the airfield arresting gear and appurtenances as required by Airfield Manager and/or Air Operations Officer.	In support of range operations, Support will be requested on the daily range schedule. When approved by the Airfield Manager or Air Ops Officer and scheduled in RSS, the contractor shall provide staffing to operate the E-28 arresting gear to support operations to include the annual NAVAIR certification inspection. Contractor shall respond to rig and derig the gear as often as required to support all aircraft operations. Frequency is dependent upon aircraft type and operational characteristics. Operation of arresting gear shall be conducted per NAVAIR 51-5-31.	<p>Arresting gear shall be correctly rigged in place for every evolution.</p> <p>Response time shall be 5 minutes; E-28 arresting gear shall be operational within 15 minutes. Upon arrestment of aircraft, re-rig of the arresting gear shall be accomplished within a maximum of 15 minutes.</p>
3.3.1.2	Arresting Gear Maintenance and Repair	The Contractor shall perform all required maintenance and repair of the airfield arresting gear and appurtenances. Perform service changes as required.	Instructions are outlined in NAVAIR 51-5-31, section VII, PMG letter of Promulgation (AIR 53721C.54:HAT) of Sep 1971, Maintenance and Material Management (3M) Manual OPNAVINST 4790.4 series.	Conduct maintenance, preoperational and post arrestment inspections in strict compliance with OPNAVINST 4790.4 series, MRC cards and service changes.

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
3.3.1.3	Arresting Gear Report (CDRL A13-04)	The Contractor shall record all operations, maintenance and repair data and prepare Arresting Gear Report (CDRL A13-04).	Submit in accordance with Section F.	Report complete, accurate, and submitted within 15 calendar days of month due.
3.3.2	Precision Approach Path Indicator (PAPI) Operations and Maintenance	The Contractor shall perform operations and maintenance to ensure PAPI are fully functional and operational.	<p>The PAPI inventory is provided in J-0501050-05.</p> <p>The commercial PAPI systems are maintained and repaired to applicable FAA regulations / standards, manufacturer specifications, and DoN 3M maintenance requirement cards (MRC's).</p> <p>The Contractor's maintenance plan (CDRL A13-01) and schedule (CDRL (A13-02) shall incorporate maintenance requirements specified in manufacturers specifications, government provided MRC cards and in accordance with applicable FAA regulations, standards, policy, guides, and regarding flight certification.</p> <p>PM and repair parts are ordered by the Contractor through the Navy supply system and paid for by the Government. The Contractor shall obtain authorization from the AFM prior to ordering repair parts or replacement of on-board spares.</p> <p>The Contractor shall set the PAPI for daytime and nighttime flying 30 minutes prior to sunrise and 30 minutes prior to sunset, per local instructions.</p> <p>The Contractor shall maintain records on all PAPI by serial number and shall prepare all required reports and forward all reports to the AFM for submission to the appropriate authority per OPNAVINST 4790.4, NAVAIR 51-40ABA-14, NAVAIR 51-40ACA-3, and NAVAIR 51-40ABA-24.</p> <p>The Contractor shall coordinate and support annual formal certification conducted by COMNAVAIRSYSCOMINST 13800.13B.</p>	<p>Daily and weekly PMs shall be accomplished as scheduled 100% of the time. Monthly, quarterly, semi-annual, annual, and bi-annual PMs shall be completed within 2 days of the scheduled date and periodicity.</p> <p>Documentation is complete and accurate and is submitted in accordance with Section F. (CDRLs A13-01 and A13-02).</p> <p>PAPI are properly operated during airfield operating hours 100% of the time.</p>
3.3.2.1	PAPI Operations	The Contractor shall ensure that the PAPI is operating during Airfield Operating Hours.	<p>Integrate checks of system into daily Airfield lighting checks.</p> <p>Contractor shall report discrepancies/outages to maintenance personnel within 15 minutes of identification for corrective action.</p>	<p>PAPI are properly operating during Airfield Operating Hours 100% of the time.</p> <p>Outages are reported to maintenance and Air Operations within 15 minutes of identification.</p>
3.3.2.2	PAPI Maintenance	The Contractor shall conduct	The Contractor shall process discrepancies	Discrepancies are reported to

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
		inspections to ensure PAPI systems are operational.	determined by ATC to be critical to the operation of the airfield by notifying the work control center of the emergency work and verify the completion of the repair.	maintenance and Air Operations within 15 minutes of identification and corrective actions initiated as soon as possible.
3.3.3	Airfield Lighting Maintenance	The Contractor shall conduct inspections to ensure airfield lighting systems are operational.	<p>The Contractor shall inspect the taxiways, helipads, parking aprons, and runways to verify the proper operation of the airfield lighting systems (taxiway lights, runway lights, threshold lights, runway distance markers, PAPI, TACAN check sign, arresting gear markers, wind cones, obstruction lights, and rotating beacon).</p> <p>The Contractor shall promptly advise ATC and the ODO as lighting discrepancies are discovered. The Contractor shall process discrepancies determined by ATC to be critical to the operation of the airfield by notifying the work control center of the emergency work and verify the completion of the repair.</p>	Inspect airfield lighting systems 30 minutes prior to start of Airfield Operating Hours and within one hour of official sunset if airfield operations are scheduled to extend past sunset.
3.3.3.1.	Solar Aviation Wireless Lights (SAWL)	<p>The Contractor shall perform daily operational/diagnostic maintenance (as required) in accordance with manufacturer's manual.</p> <p>The Contractor shall repair or replace as required.</p> <p>Weekly maintenance shall include cleaning solar panels as required to maintain optimum performance.</p>	<p>Airfield Systems Installation Manual 62563RevB for Model Solar Aviation Wireless Lights (SAWL)</p> <p>PM and repair parts are ordered by the Contractor and paid for by the Government. The Contractor shall obtain authorization from the Air Ops Officer prior to ordering repair parts or replacement of on-board spares.</p>	<p>The contractor shall inspect the taxiway edge lights (solar aviation wireless lights) 30 minutes prior to the start of airfield operations and within one hour of official sunset when operations are expected to extend past sunset.</p> <p>Weekly operational/diagnostic maintenance performed in accordance with Manual 100% of the time.</p> <p>At least 99% of all airfield lights are operating. No lights shall be out for more than 24 hours.</p> <p>Perform corrective maintenance within 1 working day after identification.</p> <p>Weekly maintenance performed on-time 88% of the time.</p> <p>Repair / replacement performed within one (1) workday, 88% of the time</p> <p>Contractor shall report discrepancies/outages to maintenance personnel within 15</p>

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
				minutes of identification for corrective action.
3.3.4	Preventive Maintenance	The Contractor shall schedule, perform, and document all preventive maintenance.	PM is in accordance with OPNAVINST 4790.4 Series, Chapter 5 and applicable Maintenance Requirement Cards (MRCs). CDRL A13-01 - Maintenance Plan CDRL A13-02 - Monthly maintenance schedule and unaccomplished maintenance report.	Airfield systems that require daily and weekly PMs shall be accomplished as scheduled 100% of the time. Airfield systems (except PAPI) that require monthly, quarterly, semi-annual, annual, and bi-annual PMs shall be completed within 5 days of the scheduled date and periodicity. Documentation is complete and accurate and is submitted in accordance with Section F.
3.3.5	Corrective Maintenance	The Contractor shall perform all corrective maintenance as required.	Corrective Maintenance in accordance with OPNAVINST 4790.4 Series, Chapter 9. CDRL A13-02 - Monthly maintenance schedule and unaccomplished maintenance report.	Critical repairs are commenced within 15 minutes of notification or identification and executed until the repair is completed. Routine repairs are commenced within 5 day of the scheduled date and completed within 5 days of the scheduled completion date.

0501050 – Airfield Facilities				
Spec Item	Title	Performance Objective	Related Information	Performance Standard
4	IDIQ Work	<p>The Contractor shall perform IDIQ work ordered in this Annex or any other Annex in this PWS.</p> <p>Any work that is specified within Spec Item 3 of any Annex or any work that is considered within the scope of this contract can be ordered and funded as an IDIQ task order.</p>	<p>PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.</p> <p>Tasks include, but are not limited to reimbursable work such as T&E, Surges and other efforts outside of scope identified in Spec Item 3.</p> <p>Refer to IDIQ ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for IDIQ work will be the same as those in Spec Item 3 where applicable.</p> <p>Specific IDIQ indicated in Spec Item 4 are intended to be illustrative of the type of work that can be expected to be ordered under the IDIQ provisions of this contract. However, frequency of occurrence and exact scope of the task order will only be defined as the need arises.</p>	
4.1	Surge Operations	Full airfield operations may be required in extreme surge situations to be 20 hours per day for as long as 5 consecutive days.	Operations may extend into or through weekends or holidays.	Performance standards will be defined at the time of the issuance of the delivery order.

N00604-09-D-000100062

SECTION F - DELIVERIES OR PERFORMANCE

The following have been added by full text:
P00062 ANNEX 13 SECTION F

0501050 – Airfield Facilities

SECTION F: DELIVERIES OR PERFORMANCE

REPORTS					
<u>Annex/ Sub-annex</u>	<u>Spec Item</u>	<u>Report Title</u>	<u>Quantity</u>	<u>Submit To</u>	<u>Due Date or Frequency</u>
0501050	3.3 3.3.4	A13-01 - Maintenance Plan	1	Airfield Manager and GEMO	30 days following award/Annually
0501050	3.3 3.3.5	A13-02 - Monthly maintenance schedule and unaccomplished maintenance report.	12 per year	Airfield Manager and GEMO	Monthly NLT 5 th day of each month
0501050	3	A13-03 - Airfield Operations Report	12 per year	Airfield Manager	Monthly NLT 5 th day of each month
0501050	3.3.1.3	A13-04 - Arresting Gear Report	4 per year	Airfield Manager	Quarterly NLT 10 th day of month report is due
0501050	3.0.2	A13-05 ATC NATOPS Corrective Actions Report	12 per year	Airfield Manager	Provide monthly, quarterly or as required by the Air Operations Officer or Airfield Manager to meet PMRF Commanding Officer POAM reporting requirements.
0501050	3.0.2	A13-06 Shore Installations Airfield Operations Evaluation Corrective Actions Report	12 per year	Airfield Manager	Provide monthly, quarterly or as required by the Air Operations Officer or Airfield Manager to meet PMRF Commanding Officer POAM reporting requirements.
0501050	3.0.2	A13-07 Naval	12 per year	Airfield	Provide monthly, quarterly

N00604-09-D-000100062

		Safety Center Corrective Actions Report		Manager	or as required by the Air Operations Officer or Airfield Manager to meet PMRF Commanding Officer POAM reporting requirements.
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SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been added by full text:

P00062 ANNEX 13 SECTION J

SECTION LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS TABLE OF CONTENTS	
<u>ATTACHMENT NUMBER</u>	<u>ATTACHMENT TITLE</u>
J-0501050-01	References, Instructions, and Directives
J-0501050-02	Historical Data for Airfield Operations Services
J-0501050-03	BASH Program Instruction – see J-13-03.pdf
J-0501050-04	Arresting Gear Inventory – see J-13-04.pdf
J-0501050-05	Precision Approach Path Indicator (PAPI) – see J-13-05 (PAPI).pdf
J-0501050-06	Airfield Lighting Inventory
J-0501050-07	CONTROL TOWER EQUIPMENT INVENTORY
J-0501050-08	PWS Line Item Estimated Quantities – see the SRAL worksheet in the latest release of PMRF TF!3.xls

ATTACHMENT J-0501050-01
REFERENCES, INSTRUCTIONS, AND DIRECTIVES

The most current version of the following documents are part of this specification. All work performed by the Contractor shall comply with Federal, State, and local laws and regulations. Specific applications are indicated, otherwise the entire document is applicable.

Reference	Title
32 CFR 766	USE OF DEPARTMENT OF THE NAVY AVIATION FACILITIES BY CIVIL AIRCRAFT
A704-5.pdf	OWNER'S MANUAL Model A704-5 Aviation Light
A704-5 Controller.pdf	OWNER'S MANUAL Handheld Wireless Controller for Model A704-5 Aviation Lights
NAVMED P-117	Manual of the Medical Department (MANMED)
ARB NO. 46- 12	Aircraft Recovery Bulletin
CNALINST 13720.15 / CNAPINST 13720.3	Prevention of Foreign Object Damage to Aircraft Gas Turbine Engines
CNICINST 3700.2	Shore Installation Airfield Operations Evaluation Program
CNICINST 3700.3	Airfield Management Operations Program
CNICINST 3750.1	Navy Bird Animal Strike Hazard Program Implementing Guidance
CNICINST 4790.1	Shore Maintenance and Material Management Policy
CNICINST 11010.1	Encroachment Management Program
CNIC M BASH	Commander Navy Installation Command Bird/Animal Aircraft Strike Hazard (BASH) Manual
FAA 7110.65 Series	Air Traffic Control
FAA AC No 150/5200-18	Airport Safety Self-Inspection
FAA AC No. 150/5210-22	Airport Certification Manual (ACM)
FAAO JO 6670.16	Maintenance of Digital Audio Legal Recorder Types 1 and 2 (DALR1/DALR2) Equipment
FAA JO 7610.4	Special Operations
FAAO 7220.1	Certification and Rating Procedures
FAA JO 7400.9	Airspace Designations and Reporting Points
FAAO 7400.2	Procedures for Handling Airspace Matters
FAAO 8260.3,	U.S. Standard TERPS
FAAO JO 7110.10	Flight Services
FAA TI 6670.16 Volume I	Instruction Book For Digital Audio Legal Recorder 1 (DALR 1) and Digital Audio Legal Recorder 2 (DALR 2) Volume I - System Overview
FAA TI 6670.16 Volume II	Instruction Book For Digital Audio Legal Recorder 1 (DALR 1) and Digital Audio Legal Recorder 2 (DALR 2) Volume II - Operation
FAA TI 6670.16 Volume III	Instruction Book For Digital Audio Legal Recorder 1 (DALR 1) and Digital Audio Legal Recorder 2 (DALR 2) Volume III - Maintenance
FAR PART 77	OBJECTS AFFECTING NAVIGABLE AIRSPACE
FAA Form 7460-1	NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION
MIL-HDBK-1023/5	Maintenance Standards for Visual Air Navigation Facilities Airfield Lighting
NAEC-91-7824	Field Test and Inspection Procedures Required to Qualify for Certification or Re-certification of E-28 Recovery Systems
NAVAIR 00-80R-14	NATOPS U.S. Navy Aircraft Firefighting and Rescue Manual
NAVAIR 00-80T-96	U.S. Navy Support Equipment Common Basic Handling & Safety Manual
NAVAIR 00-80T-113	Aircraft Signals NATOPS Manual
NAVAIR 00-80T-114	NATOPS Air Traffic Control Manual
NAVAIR 00-80T-124	NATOPS U.S. NAVY AIRFIELD OPERATIONS MANUAL

NAVAIR 13800.13	Certification of Shore-Based Aircraft Recovery Equipment and Visual/Optical Landing Aids Systems
NAVAIR 16-1-520	U.S. Standard Flight Inspection Manual
NAVAIR 51-50AAA-2	General Requirements for Shorebased Airfield Marking and Lighting
NAVAIR 51-50AAA-4	Installation, Service, Operation and Maintenance Instructions With Illustrated Parts Breakdown Precision Approach Path Indicator (PAPI)
NAVAIR 51-5-31	Operation, Maintenance, and Overhaul Instructions with Illustrated Parts Breakdown - E28 Emergency Runway Arresting Gear
NAVAIR 51-5A-1	E-28 Certification Manual
NAVAIR P5 100-1/DOD 4145,19-R-1	Storage and Materials Handling Safety For Shore Establishments
NAVFAC P-73	Real Estate Procedural Manual
NAVFAC P-80	Facility Planning Criteria
NAVFAC P-80.3	Airfield Safety Clearances
NAVFACINST 11010.45	REGIONAL PLANNING INSTRUCTION SITE APPROVAL PROCESS
NAVMETOCCOMINST 1500.3	Procedures for Qualification and Certification of Navy and Marine Corps Air Traffic Controllers as Tower Visibility Observers
NAVSEA Navy PMS DVD	Force Revision Updates for Maintenance Index Page (MIP) and Maintenance Requirement Card (MRC)
NAVSEAINST 4790.8	Ships' Maintenance and Material Management (3-M) Manual
NWS ASOS S100	National Weather Service ASOS Site Technical Manual S100
OPNAVINST 3710.74	NATOPS General Flight and Operating Instructions
OPNAV P-45-110-96	Hazardous Material User's Guide (HMUG)
OPNAVINST 2400.20	Navy Management of the Radio Frequency Spectrum
OPNAVINST 3721.20	Department of Defense Notice to Airmen(NOTAM) System
OPNAVINST 3721.5	NAVAL AIR TRAFFIC CONTROL, AIR NAVIGATION AIDS AND LANDING SYSTEMS (NAALS) PROGRAM
OPNAVINST 3722.16	United States Standard For Terminal Instrument Procedures (TERPS)
OPNAVINST 3722.35	Baseline Planning Criteria for Naval Air Traffic Control Facility (ATCF) Resources Criteria.
OPNAVINST 3750.6	Naval Aviation Safety Management System
OPNAVINST 3770.2	Airspace Procedures and Planning Manual
OPNAVINST 4790.4	Ships' Maintenance and Material Management (3-M) System Policy
OPNAVINST 5090.1	Environmental Readiness Program Manual
OPNAVINST 5100.23	Navy Occupational Safety and Health (NAVOSH) Program Manual
OPNAVINST 11010.36	AIR INSTALLATIONS COMPATIBLE USE ZONES (AICUZ) PROGRAM
PMRFINST 10340.1	Fuels Operation Manual
PMRFINST 13830.1	Hot Refueling Of Rotary Wing Aircraft
PMRFINST 3710.8	Air Traffic Control Facility Manual
PMRFINST 3710.11	PMRF Air Operations Manual
PMRFINST 5090.7	Bird Aircraft Strike Hazard (BASH) Instruction
PMRFINST 5560.3	Flight Line Motor Vehicle Licensing And Operating Procedures
SECNAVINST 3770.1	Use of Department of the Navy Aviation Facilities by Other Than U.S. DOD Aircraft
SECNAV M-5210.2	Department of the Navy Standard Subject Identification Code (SSIC) Manual
UFC 2-000-05N	FACILITY PLANNING FOR NAVY AND MARINE CORPS SHORE INSTALLATIONS
UFC 3-260-01	AIRFIELD AND HELIPORT PLANNING AND DESIGN
UFC 3-535-01	VISUAL AIR NAVIGATION FACILITIES

ATTACHMENT J-0501050-02

HISTORICAL DATA FOR AIRFIELD OPERATIONS SERVICES**Aircraft Arrivals and Departures**

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Monthly Average By Day	Daily Average No. of Flights
SUN	0	0	4	0	0	1	40	0	0	0	2	4	4	1
MON	47	71	164	211	166	199	192	139	90	168	219	82	145	33
TUE	206	164	213	190	295	105	190	221	177	363	166	106	199	46
WED	143	162	339	313	389	138	327	206	260	152	280	136	237	55
THU	153	247	96	187	207	219	417	257	397	179	218	69	220	51
FRI	61	140	169	250	186	159	305	81	155	85	62	45	141	33
SAT	0	11	0	12	0	17	21	0	6	0	0	0	5	1

ATTACHMENT J-0501050-06

AIRFIELD LIGHTING INVENTORY

Description	Technical Ref	Quantity
1. High Intensity Runway Edge Lights	NAVAIR 51-50AAA-2 WP 004 05, UFC 3-535-01 Page 47 para 4-2	60
a. High Intensity Runway Edge Lights (Semi-Flush Mounted)	NAVAIR 51-50AAA-2 WP 004 05, UFC 3-535-01 Page 47 para 4-2	27
b. High Intensity Runway Edge Lights (1 Foot Tall)	NAVAIR 51-50AAA-2 WP 004 05, UFC 3-535-01 Page 47 para 4-2	30
2. High Intensity Threshold Lights	NAVAIR 51-50AAA-2 WP 004 02, UFC 3-535-01 Page 52, para 4-4	36
a. High Intensity Threshold Lights (Semi-Flush Mounted)	NAVAIR 51-50AAA-2 WP 004 02, UFC 3-535-01 Page 52, para 4-4	36
3. TACAN Sign CAT 1 (Class B Rwy) FAA Size 3	NAVAIR 51-50AAA-2 WP 005 05, UFC 3-535-01 Page 130 – 133, para 9-3	1 Sign / 1 Face
4. Runway Distance Markers (LED)	NAVAIR 51-50AAA-2 WP 004 09, UFC 3-535-01 Page 140, para 9-6	10 Signs / 20 Faces
5. Reflective Edge Markers	UFC 3-535-01 Page 152-153, para 10-3	14
6. Airfield Rotating Beacon	NAVAIR 51-50AAA-2 WP 003 02, UFC 3-535-01 Chapter 10, Para 10-1	1
7. Solar-powered Taxiway Edge Lights (Carmanah)	NAVAIR 51-50AAA-2 WP 005 02, UFC 3-535-01 Chapter 5, Carmanah Manual	242
a. Solar Powered Taxiway Edge Lights (Carmanah A704-5 Blue)	NAVAIR 51-50AAA-2 WP 005 02, UFC 3-535-01	240

Description	Technical Ref	Quantity
	Chapter 5	
b. Solar Powered Taxiway Edge Lights (Carmanah A704-5 Amber)	NAVAIR 51-50AAA-2 WP 005 02, UFC 3-535-01 Chapter 5	2
8. Solar Powered Wind Socks (Internally Illuminated w/obstruction light)	NAVAIR 51-50AAA-2 WP 003 03, UFC 3-535-01 Chapter 10, Para 10-2	3
9. Obstruction Lights	NAVAIR 51-50AAA-2 WP 003 10, UFC 3-535-01 Chapter 6	
10. Precision Approach Path Indicator (PAPI)	NAVAIR 51-50AAA-2 WP 003 12, NAVAIR 51-50AAA-4, UFC 3-535-01 Pages 39-46, para 3-7	2 Systems 8 Light Housing Units

ATTACHMENT J-0501050-07

CONTROL TOWER EQUIPMENT INVENTORY

Description	Technical Ref	Quantity
Enhanced Terminal Voice Switch	ETVS Tech Manual NSN0056-00-480-0436	3
Wind Speed and Direction Indicator	SPAWAR ID-2446 Technical Manual EE250-CD-OMI-010/AIR41734A-WSDI	1
TACAN Control Indicator/URN-32	SPAWAR AN/URN-32 Technical Manual 16-60URN32-000	1
AN/FYC-22B Visual Information Display System	NAVAIR 16-60FYC22B-1 VIDS Tech Manual	3
Digital Audio Legal Recorder (DALR)	FAA Order JO6670.16 And FAA TI 6670.16, Volume I, Volume II, and Volume III.	1 1 1
URC-200 Backup UHF/VHF	Motorola URC-200 Tech Manual 68-P36745M	1 Twr
URC-200	Motorola URC-200 Tech Manual 68-P36745M	1 Makaha Ridge
GRC/211 Backup VHF	Rockwell International A74.GRC.211-SM.1-2/87	1
GRC/171 Backup UHF	Rockwell International A74.GRC.171-SM.1-6/2/85	1
Receiver/Radio CM-200UR & CM-200VR	Motorola CM-200UR & CM-200VR Tech Manual	3 UHF 2 VHF
Transmitters CM-200UT & CM-200VT	Motorola CM-200UR & CM-200VR Tech Manual	3 UHF 2 VHF

(End of Summary of Changes)

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